

--Abstract

A visual device searches for moving and still objects and counts the moving and still objects. The visual device includes a vibrator for vibrating a frame image by using an array calculating unit, an information unit for creating edge information on the moving and still objects from the frame image, a separator for separating the object region of the moving and still objects from the background of the frame image, a measuring unit for measuring the positions and sizes of the moving and still objects, a normalizer for normalizing the separation object regions segmented by the object regions, and a recognition unit for recognizing the normalized regions.--